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CERTIFICATE OF MAILING

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Wendy Scott

(Typed or Printed Name of Person Mailing Paper or Fee)

Wendy Scott
(Signature of Person Mailing Paper or Fee)

Attorney Docket No.: SNPS-0524

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Inventor: Lawrence S. Melvin III
Title: METHOD AND APPARATUS FOR GENERATING AN OPC SEGMENTATION BASED ON MODELED INTENSITY GRADIENTS
Filing Date: 10 October 2003
Serial Number: 10/683,534
Group Art Unit: 2123
Examiner: To Be Assigned

Listed below or on an attached Form PTO-1449 is information known to applicant(s) and submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication and U.S. and foreign patent, except for pending U.S. applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

X This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- ☐ (1) It is being filed within 3 months of the application filing date
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- X (3) It is being filed before the mail date of the first Office Action on the merits.

— 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond the filing date of a national application; (2) three months beyond the date of entry of the national stage as set forth in §1.491 in an international application; or (3) the mailing date of a first Office action on the merits, but before the mailing date of the earlier of a final office action under §1.113 or a notice of allowance under §1.311, then:

— a certification as specified in §1.97(e) is provided below; or

— a fee of \$240.00 as set forth in §1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement. Please note that a check in the amount of \$240.00 is enclosed in payment.

— 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113 or a notice of allowance under §1.311, but before payment of the issue fee, then:

A. a certification as specified in §1.97(e) is completed below; **and**

B. a petition under 37 C.F.R. §1.97(d) requesting consideration of this statement is submitted herewith; **and**

C. a fee of \$130.00 as set forth in §1.17(i)(1) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

— Statement under 37 C.F.R. §1.97(e) - I hereby certify that either: each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the information disclosure statement; or no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in section 1.56(c) more than three months prior to the filing of the information disclosure statement.

Signature: _____

A. Richard Park (Reg. No. 41,241)

Date

Respectfully submitted,

By: 
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INFORMATION DISCLOSURE CITATION PTO-1449				ATTY. DOCKET NO. SNPS-0524		APPLICATION NO. 10/683,534	
				APPLICANT Lawrence S. Melvin III			
				FILING DATE October 10, 2003		GROUP ART UNIT 2123	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	WO 01/42964 A2	14 June 2001	PCT	G06F 17/00			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Publication entitled "A Model-Based Methodology for Reducing OPC Output Pattern Complexity", by Lawrence S. Melvin III, Proceedings of SPIE, Vol. 5256, 23 rd Annual BACUS Symposium on Photomask Technology, XP-002367949, Pages 238-245.						
	Publication entitled "OPC Strategies to Minimize Mask Cost and Writing Time", by Michael L. Rieger, Proceedings of SPIE, Vol. 4562, 21st Annual BACUS Symposium on Photomask Technology, XP-002367949, Pages 154-160.						
	Internet Article entitled "Proteus, Progen, Prospector Full-Chip Optical Proximity Correction", 14 April 2003, XP002367951, URL: http://web.archive.org/web/20030414050107/www.synopsys.com/products/avmrg/pdfs/proteus_ds.pdf .						
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.